

Remarks

Claims 1-8 and 10-17 are pending in this application. Claims 1-8 and 10-17 have been rejected. Claims 1, 6, 11, and 13 have been amended.

Claims 1-8 and 10-17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over You (U.S. Patent No. 6,158,045), in light of "Compilers: Principles, Techniques, and Tools," by Alfred V. Aho, Ravi Stehi, and Jeffrey D. Ullman, pages 432-433, 439, and 703-711, and further in view of U.S. Patent Application Pub. No. 2003/0200397 to McAllister et al. Claim 1, as amended, requires "suspending execution of all threads executing on the computer system, including at least one thread in at least one real-time control program" and "gathering data specified by the plurality of memory element descriptors while maintaining data coherency and without disrupting operation of the at least one real-time control program." Support for these limitations may be found, for example, at p. 28, line 29 through page 29, line 6 of the present application:

This capture process takes about twenty milliseconds on a 400 Mhz Pentium-class machine for a typical snapshot of the many elements of a system data required by a practical symbolic kernel debugger. Since execution is resume following the brief capture process, the target machine may continue operation. The capture process is brief enough that many, but not all, real-time control programs and drivers may be debugged without disrupting the system being controlled.

None of the cited references, either alone or in combination, teaches gathering data without disrupting the operation of at least one real-time control program executing on a computer. Claim 1, therefore, patentably distinguishes over the cited combination of references. Claims 6, 11, and 13 contain substantially the same relevant limitations as claim 1 and therefore patentably distinguish over the cited combination of references for at least the same reason. Claims 2-5, 7-8, 10, 12,

and 14-17 are dependent claims which patentably distinguish over the cited combination of references for at least the same reason.

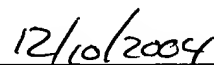
In view of the foregoing amendments and remarks, this application should now be in condition for allowance. A notice to this effect is respectfully requested. If the Examiner believes, after this response, that the application is not in condition for allowance, the Examiner is requested to call the applicant's attorney at the phone number listed below.

If this response is not considered timely filed and if a request for extension of time is otherwise absent, applicant hereby requests any extension of time. Please charge any fees, or make any credits, to Deposit Account No. 08-2025.

Respectfully submitted,



Robert Plotkin, Esq.



Date

Reg. No. 43,861

Robert Plotkin, P.C.

45 Butternut Circle

Concord, MA 01742-1937

Ph: (978) 318-9914

Email: rplotkin@rplotkin.com